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MOORELAND AND MOORE ON 11/05/01:

CLIENT NO.: 24736-2035 SLS:RHT:lm
ENCLOSURES: TRANSMITTAL LETTER (in duplicate); INFORMATION DISCLOSURE
STATEMENT (3 pages); PTO-FORM 1449 (27 pages); CITED
REFERENCES; and RETURN POSTCARD
APPLICANT: Braun
SERIAL NO.: 09/834,700 FILED: April 12, 2001
FOR: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS
ENCODING THE SAME.

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ATTORNEYS



Main: (858) 450-8400
Fax: (858) 587-5360

November 2, 2001

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MOORELAND & MOORE
2001 Jefferson Davis Highway
Suite 407
Arlington, VA 22202

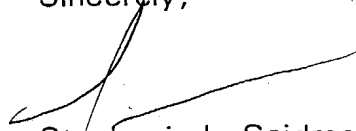
Re: Braun U.S.S.N. : 09/834,700 filed April 12, 2001
**POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS
ENCODING THE SAME**
Our Docket No. 24736-2035

Gentlemen:

Please deliver the enclosed documents for Art Unit 1645 to the U.S. Patent and Trademark Office on November 5, 2001. In addition, please have the enclosed postcard date-stamped by the PTO and returned to us at your earliest convenience. We would also appreciate receiving a confirmation from you indicating that delivery of the enclosed documents has been made.

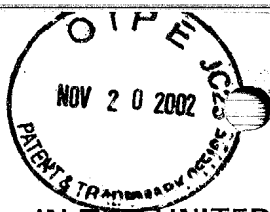
Thank you for your assistance in this matter. If you have any questions, please do not hesitate to contact our office.

Sincerely,



Stephanie L. Seidman

SLS:rht
Enclosures (Transmittal Letter, IDS, PTO-1449, References)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun
Serial No.: 09/834,700
Filed: April 12, 2001
For: *POLYMORPHIC KINASE ANCHOR
PROTEINS AND NUCLEIC ACIDS
ENCODING THE SAME*
Art Unit: 1645
Examiner: Unassigned

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TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

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Dear Sir:

Transmitted herewith via hand delivery are an Information Disclosure Statement, Forms PTO-1449 (27 Pages), and cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

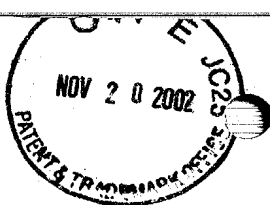
- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

Stephanie L. Seidman
Registration No. 33,779

Dated: November 2, 2001
Attorney Docket No. 24736-2035
Address all correspondence to:
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4350 La Jolla Village Drive
San Diego, California 92122-1246
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Facsimile: (858) 587-5360
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun
Serial No.: 09/834,700
Confirmation No.: 5035
Filed: April 12, 2001

For: *POLYMORPHIC KINASE ANCHOR
PROTEINS AND NUCLEIC ACIDS
ENCODING THE SAME*

Art Unit: 1645
Examiner: Unassigned

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INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98

Commissioner for Patents
Washington, D.C. 20231

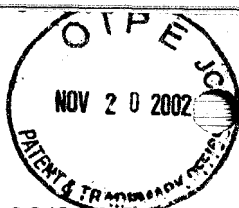
Dear Sir:

Since this Information Disclosure Statement is filed before the receipt of a first Office Action on the merits for the above-captioned application, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§ 1.97-1.98. The Forms PTO-1449 (27 pages) and cited references are provided herewith.

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language with the exception of items GS and GT. French Patent Number 2650840 is provided with an English language abstract (item GU), and French Patent Number 2749662 is provided with an English language abstract (item HH). Hence, in accordance with the requirements of 37 C.F.R. § 1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Applicant also makes known to the Examiner the following related, co-pending U.S. and International applications and their status:



U.S.S.N. 09/834,700

Braun

Information Disclosure Statement

<u>U.S.S.N.</u>	<u>Filing Date</u>	<u>Docket No.</u>
09/297,575	05/03/99	2001US
08/947,801	10/08/97	2001B
08/786,988	01/23/97	2001D
09/364,774	07/30/99	2001E
09/371,150	08/09/99	2001F
09/429,683	10/28/99	2001G
09/287,681	04/06/99	2002F
09/495,444	01/31/00	2002H
09/724,877	11/28/00	2002K
09/796,416	02/28/01	2002L
09/879,341	06/11/01	2002M
08/744,481	11/06/96	2004
09/297,576	05/03/99	2004US
09/179,536	10/26/98	2004B
09/783,881	02/13/01	2004C
09/686,148	10/10/00	2004CUS
08/034,738	03/19/93	2010
08/467,208	06/06/95	2011D
09/337,388	06/21/99	2014B
09/146,054	09/02/98	2016B
09/664,977	09/18/00	2016C
09/074,936	05/07/98	2021
09/309,125	05/10/99	2021A
09/307,006	05/07/99	2021B
09/285,481	04/02/99	2022
09/680,581	10/05/00	2022B
09/678,620	10/02/00	2023B
09/687,483	10/13/00	2033
09/802,640	03/09/01	2048
09/663,968	09/19/00	2049
09/839,629	04/20/01	2050
09/515,277	02/29/00	2054B
09/089,730	06/03/98	2055C
08/988,024	12/10/97	2057
09/515,357	02/29/00	2058B
09/541,210	04/03/00	2059B
09/139,386	08/25/98	2060
09/067,337	04/27/98	2301
09/171,625	10/19/98	2302US
09/355,705	02/04/98	2303US

Intl App. No.
PCT/US01/21308
PCT/US01/29290

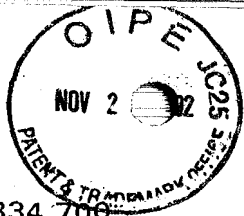
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2035PC
2049PC

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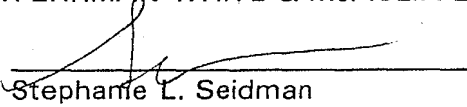
U.S.S.N. 09/834,700
Braun
Information Disclosure Statement

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

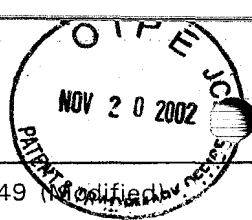

Stephanie L. Seidman
Registration No. 33,779

Dated: November 2, 2001
Attorney Docket No. 24736-2035
Address all correspondence to:
Stephanie L. Seidman, Esq.
HELLER EHRMAN WHITE & McAULIFFE LLP
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Telephone: (858) 450-8400
Facsimile: (858) 587-5360
E-mail: sseidman@HEWM.com

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24736-2035SERIAL NO.
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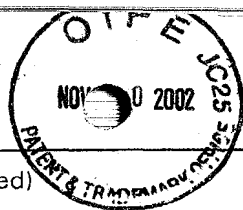
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
	AA	3	6	8	7	8	0	8	08/29/72	Merigan, Jr. <i>et al.</i>	195	28 N	08/14/69
	AB	3	8	1	7	8	3	7	06/18/74	Rubenstein <i>et al.</i>	195	103.5 R	11/06/72
	AC	3	8	5	0	7	5	2	11/26/74	Schuurs <i>et al.</i>	195	103.5	10/29/71
	AD	3	9	3	9	3	5	0	02/17/76	Kronick <i>et al.</i>	250	365	04/29/74
	AE	3	9	9	6	3	4	5	12/07/76	Ullman <i>et al.</i>	424	12	06/30/75
	AF	4	0	7	6	9	8	2	02/28/78	Ritter <i>et al.</i>	250	288	10/06/76
	AG	4	2	7	5	1	4	9	06/23/81	Litman <i>et al.</i>	435	7	11/24/78
	AH	4	2	7	7	4	3	7	07/07/81	Maggio	422	61	12/10/79
	AI	4	3	6	6	2	4	1	12/28/82	Tom <i>et al.</i>	435	7	08/07/80
	AJ	4	5	1	1	5	0	3	04/16/85	Olson <i>et al.</i>	260	112 R	06/01/84
	AK	4	5	6	8	6	4	9	02/04/86	Bertoglio-Matte	436	534	02/22/83
	AL	4	6	5	6	1	2	7	04/07/87	Mundy	435	6	04/23/84
	AM	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
	AN	4	6	8	3	2	0	2	07/28/87	Mullis	435	91	10/25/85
	AO	4	7	2	2	8	4	8	02/02/88	Paoletti <i>et al.</i>	424	89	06/19/84
	AP	4	8	2	6	3	6	0	05/02/89	Iwasawa <i>et al.</i>	406	51	02/25/87
	AQ	4	8	5	1	0	1	8	07/25/89	Lazzari <i>et al.</i>	55	356	11/20/87
	AR	4	9	8	1	9	5	7	01/01/91	Lebleu <i>et al.</i>	536	27	07/18/85
	AS	4	9	8	7	0	7	1	01/22/91	Cech <i>et al.</i>	435	91	12/03/86
	AT	4	9	9	8	6	1	7	04/12/91	Ladd, Jr. <i>et al.</i>	206	219	09/15/86
	AU	5	0	1	3	8	3	0	05/07/91	Ohtsuka <i>et al.</i>	536	27	02/12/90
	AV	5	0	2	5	9	3	9	06/25/91	Bunn <i>et al.</i>	215	100	12/11/89

EXAMINER

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME



FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
	AW	5	0	3	4	5	0	6	07/23/91	Summerton <i>et al.</i>	528	391	12/20/89
	AX	5	1	1	8	8	0	0	06/02/92	Smith <i>et al.</i>	536	23	02/27/91
	AY	5	1	1	8	9	3	7	06/02/92	Hillenkamp <i>et al.</i>	250	59/44	08/21/90
	AZ	5	1	2	2	3	4	2	06/16/92	McCulloch <i>et al.</i>	422	65	07/12/89
	BA	5	1	4	9	7	9	7	09/22/92	Pederson <i>et al.</i>	536	27	02/15/90
	BB	5	1	6	6	3	1	5	11/24/92	Summerton <i>et al.</i>	528	406	06/20/91
	BC	5	1	7	5	4	3	0	12/29/92	Enke <i>et al.</i>	250	282	05/17/91
	BD	5	1	8	5	4	4	4	02/09/93	Summerton <i>et al.</i>	544	81	11/21/91
	BE	5	2	1	4	1	3	4	05/25/93	Weis <i>et al.</i>	536	25.3	09/12/90
	BF	5	2	1	6	1	4	1	06/01/93	Benner	536	27.13	06/06/88
	BG	5	2	2	0	0	0	7	06/15/93	Pederson <i>et al.</i>	536	23.1	02/19/92
	BH	5	2	3	5	0	3	3	08/10/93	Summerton <i>et al.</i>	528	391	12/20/89
	BI	5	2	5	7	1	7	5	09/21/93	Schoen <i>et al.</i>	250	281	05/27/92
	BJ	5	2	5	6	7	7	5	10/26/93	Froehler	536	25.6	06/05/90
	BK	5	2	5	9	0	4	4	11/02/93	Isono <i>et al.</i>	385	2	05/05/92
	BL	5	2	6	4	5	6	2	11/23/93	Matteucci	536	23.1	04/24/91
	BM	5	2	6	4	5	6	4	11/23/93	Matteucci	536	23.1	07/30/90
	BN	5	2	7	3	7	1	8	12/28/93	Sköld <i>et al.</i>	422	101	08/07/91
	BO	5	2	8	3	1	7	3	02/01/94	Fields <i>et al.</i>	435	6	01/24/90
	BP	5	3	1	9	0	8	0	06/07/94	Leumann	536	27.1	10/13/92
	BQ	5	3	6	3	8	8	5	11/15/94	McConnell <i>et al.</i>	141	1	06/02/93
	BR	5	3	6	6	8	7	8	11/22/94	Pederson <i>et al.</i>	435	91.3	03/24/93
	BS	5	3	9	3	8	7	8	02/28/95	Leumann	536	28.2	03/17/94

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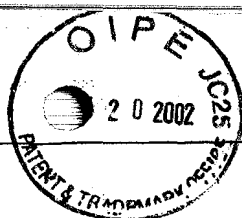
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
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	BU	5	4	0	5	9	3	8	04/11/95	Summerton <i>et al.</i>	528	406	11/23/92
	BV	5	4	3	4	2	5	7	07/18/95	Matteucci <i>et al.</i>	536	24.3	10/26/93
	BW	5	4	3	6	1	5	0	07/25/95	Chandrasegaran	435	199	09/27/93
	BX	5	4	4	0	1	1	9	08/08/95	Labowsky	250	282	03/30/94
	BY	5	4	4	6	1	3	7	08/29/95	Maag <i>et al.</i>	536	23.1	12/09/93
	BZ	5	4	5	3	6	1	3	09/26/95	Gray <i>et al.</i>	250	281	10/21/94
	CA	5	4	6	6	6	7	7	11/14/95	Baxter <i>et al.</i>	514	44	02/28/94
	CB	5	4	6	6	7	8	6	11/14/95	Buhr <i>et al.</i>	536	26.26	05/10/94
	CC	5	4	7	0	9	6	7	11/28/95	Huie <i>et al.</i>	536	24.3	04/10/90
	CD	5	4	8	9	6	7	7	02/06/96	Sanghvi <i>et al.</i>	536	22.1	03/31/93
	CE	5	4	9	1	1	3	3	02/13/96	Walder <i>et al.</i>	514	44	03/19/91
	CF	5	4	9	2	8	0	6	02/20/96	Drmanac <i>et al.</i>	435	5	04/12/93
	CG	5	4	9	8	5	4	5	03/12/96	Vestal	436	47	07/21/94
	CH	5	5	0	3	9	8	0	04/02/96	Cantor	435	6	10/17/94
	CI	5	5	0	6	1	3	7	04/09/96	Mathur <i>et al.</i>	435	252.3	07/22/93
	CJ	5	5	1	4	7	8	5	05/07/96	Van Ness <i>et al.</i>	536	22.1	10/28/94
	CK	5	5	1	9	1	3	4	05/21/96	Acevedo <i>et al.</i>	544	243	01/11/94
	CL	5	5	2	5	4	6	4	06/11/96	Drmanac <i>et al.</i>	435	6	02/28/94
	CM	5	5	3	6	6	4	9	07/16/96	Fraiser <i>et al.</i>	435	91.2	07/29/94
	CN	5	5	4	1	3	0	7	07/30/96	Cook <i>et al.</i>	536	23.1	12/28/93
	CO	5	5	4	7	8	3	5	08/20/96	Köster	435	6	01/06/94
	CP	5	5	6	1	2	2	5	10/01/96	Maddry <i>et al.</i>	536	23.1	09/19/90

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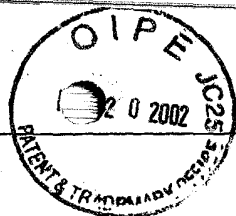
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	CQ	5	5	6	5	3	5	0	10/15/96	Kmiec	435	172.3	12/09/94
	CR	5	5	6	7	8	1	1	10/22/96	Misiura <i>et al.</i>	536	25.34	05/03/91
	CS	5	5	7	1	6	7	6	11/05/96	Shuber	435	6	06/07/95
	CT	5	5	7	6	4	2	7	11/19/96	Cook <i>et al.</i>	536	23.1	05/26/95
	CU	5	5	8	0	7	3	2	12/03/96	Grossman <i>et al.</i>	435	6	08/26/94
	CV	5	5	9	1	7	2	2	01/07/97	Montgomery <i>et al.</i>	514	45	12/12/94
	CW	5	5	9	3	8	2	6	01/14/97	Fung <i>et al.</i>	435	6	04/16/93
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	CY	5	5	9	7	9	0	9	01/28/97	Urdea <i>et al.</i>	536	24.3	08/25/94
	CZ	5	6	0	2	2	4	0	02/11/97	De Mesmaeker <i>et al.</i>	536	22.1	04/21/92
	DA	5	6	0	4	0	9	8	02/18/97	Mead <i>et al.</i>	435	6	12/22/94
	DB	5	6	0	5	7	9	8	02/25/97	Köster	435	6	03/17/95
	DC	5	6	0	8	0	4	6	03/04/97	Cook <i>et al.</i>	536	23.1	09/29/94
	DD	5	6	1	0	2	8	9	03/11/97	Cook <i>et al.</i>	536	25.34	05/21/92
	DE	5	6	1	0	3	0	0	03/11/97	Altmann <i>et al.</i>	544	244	06/06/95
	DF	5	6	1	8	7	0	4	04/08/97	Sanghvi <i>et al.</i>	435	91.5	09/02/94
	DG	5	6	2	2	8	2	4	04/22/97	Köster	435	6	02/10/95
	DH	5	6	2	3	0	6	5	04/22/97	Cook <i>et al.</i>	536	23.1	12/23/92
	DI	5	6	2	3	0	7	0	04/22/97	Cook <i>et al.</i>	536	27.6	02/27/95
	DJ	5	6	2	7	0	5	3	05/06/97	Usman <i>et al.</i>	435	91.1	05/02/95
	DK	5	6	3	1	1	3	4	05/20/97	Cantor	435	6	06/05/95
	DL	5	6	3	3	3	6	0	05/27/97	Bischofberger <i>et al.</i>	536	22.1	04/14/92
	DM	5	6	3	9	8	7	3	06/17/97	Barascut <i>et al.</i>	536	25.3	02/04/93

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FORM PTO-1449 (Modified)

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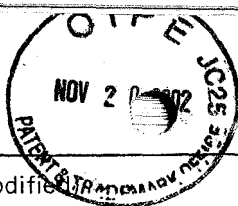
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	DP	5	6	5	2	3	5	6	07/29/97	Agrawal	536	245	08/17/95
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	DU	5	6	7	7	4	3	9	10/14/97	Weis <i>et al.</i>	536	23.1	05/24/95
	DV	5	6	9	1	1	4	1	11/25/97	Köster	435	6	06/06/95
	DW	5	6	9	5	9	4	0	12/09/97	Drmanac <i>et al.</i>	435	6	06/05/95
	DX	5	7	0	0	6	7	2	12/23/97	Mathur <i>et al.</i>	435	183	07/23/92
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	EC	5	8	3	4	1	8	9	11/10/98	Stevens <i>et al.</i>	435	6	12/22/95
	ED	5	8	3	7	8	3	2	11/17/98	Chee <i>et al.</i>	536	22.1	05/16/95
	EE	5	8	4	3	6	6	9	12/01/98	Kaiser <i>et al.</i>	435	6	11/29/96
	EF	5	8	5	1	7	6	5	12/22/98	Köster	435	6	05/30/95
	EG	5	8	5	6	0	9	2	01/05/99	Dale <i>et al.</i>	435	6	04/27/95
	EH	5	8	5	8	6	5	9	01/12/99	Sapolsky <i>et al.</i>	435	6	11/29/95
	EI	5	8	5	8	7	0	5	01/12/99	Wei <i>et al.</i>	435	69.1	06/05/95
	EJ	5	8	6	9	2	4	2	02/09/99	Kamb	435	6	09/18/95

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	EN	5	8	7	4	2	8	3	02/23/99	Harrington <i>et al.</i>	435	252.3	05/30/95
	EO	5	8	7	6	9	3	4	03/02/99	Duthie <i>et al.</i>	435	6	12/18/96
	EP	5	8	8	5	8	4	1	03/23/99	Higgs, Jr. <i>et al.</i>	436	89	09/11/96
	EQ	5	8	8	8	7	9	5	03/30/99	Hamilton	435	200	09/09/97
	ER	5	9	0	0	4	8	1	05/04/99	Lough <i>et al.</i>	536	55.3	11/06/96
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	EY	5	9	7	6	8	0	2	11/02/99	Ausorge <i>et al.</i>	435	6	04/26/96
	EZ	5	9	7	6	8	0	6	11/02/99	Mahajan <i>et al.</i>	435	6	05/27/98
	FA	5	9	8	1	1	8	6	11/09/99	Gabe <i>et al.</i>	435	6	07/14/97
	FB	5	9	8	5	2	1	4	11/16/99	Stylli <i>et al.</i>	422	65	05/16/97
	FC	5	9	9	8	1	4	3	12/07/99	Ellis <i>et al.</i>	435	6	12/05/97
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	FG	6	0	1	7	7	0	2	01/25/00	Lee <i>et al.</i>	435	6	01/21/97

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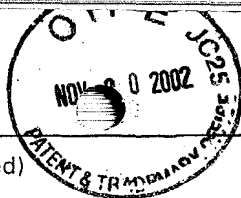
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	FI	6	0	2	0	1	2	2	02/01/00	Okasinski <i>et al.</i>	435	5	06/07/95
	FJ	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al.</i>	435	6	05/13/96
	FK	6	0	2	4	9	2	5	02/15/00	Little <i>et al.</i>	422	100	01/23/97
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	FU	6	0	9	0	6	0	6	07/18/00	Köster <i>et al.</i>	435	199	12/02/96
	FV	6	0	9	9	5	5	3	08/08/00	Hart <i>et al.</i>	606	232	05/21/98
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	FX	6	1	1	7	6	3	4	09/12/00	Langmore <i>et al.</i>	435	6	03/06/97
	FY	6	1	3	2	6	8	5	10/17/00	Kercso <i>et al.</i>	422	104	08/10/98
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	GD	6	1	4	7	3	4	4	11/14/00	Annis <i>et al.</i>	250	281	01/19/99

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	GF	6	1	7	5	0	5	7	B1 01/16/01	Mucke <i>et al.</i>	800	12	10/08/97
	GG	6	1	8	0	8	4	9	B1 01/30/01	Strculi <i>et al.</i>	800	18	03/17/98
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	GI	6	2	2	1	6	0	1	B1 04/24/01	Köster <i>et al.</i>	435	6	11/02/99
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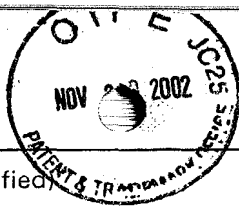
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	GR	0	5	9	6	2	0	5	A3 11/May/94	EPO				

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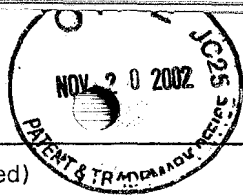
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	HB	9	6	2	9	4	3	1	26/Sep/96	PCT				
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	HR	9	9	3	1	2	7	8	24/Jun/99	PCT				
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	HT	9	9	5	4	5	0	1	28/Oct/99	PCT				
	HU	9	9	5	7	3	1	8	11/Nov/99	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

HV	<u>A Practical Guide To Molecular Cloning</u> , Book: Perbal B., John Wiley & Sons, New York, 1984
HW	Altschul <i>et al.</i> , "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , <u>215</u> :403-410, (1990)
HX	<u>Antibodies</u> , Book: A Laboratory Manual, Harlow, E. and Lane D., Cold Spring Harbor Laboratory, 1988
HY	Arrand <i>et al.</i> , "Different Substrate Specificities of the Two DNA Ligases of Mammalian Cells", <i>J. Biol. Chem.</i> , <u>261</u> (20):9079-9082, (1986)
HZ	Badger <i>et al.</i> , "New features and enhancements in the X-PLOR computer program", <i>Proteins: Structure, Function, and Genetics</i> , <u>35</u> (1):25-33, (1999)
IA	Beck <i>et al.</i> , "Chemiluminescent detection of DNA: application for DNA sequencing and hybridization", <i>Nucl. Acids Res.</i> , <u>17</u> (13):5115-5123, (1989)
IB	Bertina <i>et al.</i> , "Mutation in blood coagulation factor V associated with resistance to activated protein C", <i>Nature</i> , <u>369</u> :64-67, (1994)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

IC	Bessho <i>et al.</i> , "Nucleotide excision repair 3' endonuclease XPG stimulates the activity of base excision repair enzyme thymine glycol DNA glycosylase", <i>Nucl. Acids Res.</i> , <u>27(4)</u> :79-83, (1999)
ID	Biernat <i>et al.</i> , "The construction and cloning of synthetic genes coding for artificial proteins and expression studies to obtain fusion proteins", <i>Protein Engineering</i> , <u>1(4)</u> :345-351, (1997)
IE	<u>Biocomputing</u> , "Informatics and Genome Projects", Smith, W.D. (Ed.), Academic Press, Inc. San Diego, California (1994)
IF	<u>Biological Techniques Series</u> , Book: "Immunochemical Methods in Cell and Molecular Biology", Mayer, R.J. and Walker, J.H., Academic Press, San Diego, California, 1987
IG	Bjelland, S. and Seeberg, E., "Purification and characterization of 3-methyladenine DNA glycosylase I from <i>Escherichia coli</i> ", <i>Nucl. Acids Res.</i> , <u>15(7)</u> :2787-2800, (1987)
IH	Bleczinski, C. and Richert, C., "Monitoring the Hybridization of the Components of Oligonucleotide Mixtures to Immobilized DNA via Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry", <i>Rapid Communications in Mass Spectrometry</i> , <u>12</u> :1737-1743, (1998)
II	Bosworth, N. and Towers, P., "Scintillation proximity assay", <i>Nature</i> , <u>341</u> :167-168, (1989)
IJ	Boudet <i>et al.</i> , "UV-treated polystyrene microtitre plates for use in an ELISA to measure antibodies against synthetic peptides", <i>J. Immunol. Meth.</i> , <u>142</u> :73-82, (1991)
IK	Braun <i>et al.</i> , "Detecting <i>CFTR</i> gene mutations by using primer oligo base extension and mass spectrometry", <i>Clin. Chem.</i> , <u>43(7)</u> :1151-1158, (1997)
IL	Braun <i>et al.</i> , "Improved Analysis of Microsatellites Using Mass Spectrometry", <i>Genomics</i> , <u>46</u> :18-23, (1997)
IM	Bregman <i>et al.</i> , "Molecular Characterization of Bovine Brain P75, a High Affinity Binding Protein for the Regulatory Subunit of cAMP-dependent Protein Kinase II β ", <i>J. Biol. Chem.</i> , <u>266(11)</u> :7207-7213, (1991)
IN	Brinster <i>et al.</i> , "Expression of a microinjected immunoglobulin gene in the spleen of transgenic mice", <i>Nature</i> , <u>306</u> :332-336, (1983)

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IO	Buetow <i>et al.</i> , "High-throughput development and characterization of a genomewide collection of gene-based single nucleotide polymorphism markers by chip-based matrix-assisted laser desorption/ionization time-of-flight mass spectrometry", <i>Proc. Natl. Acad. Sci. USA</i> , <u>98</u> (2):581-584, (2001)
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IQ	Carr <i>et al.</i> , "Association of the Type II cAMP-dependent Protein Kinase with a Human Thyroid RII-anchoring Protein", <i>J. Biol. Chem.</i> , <u>267</u> (19):13376-13382, (1992)
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IS	Carrillo <i>et al.</i> , "The Multiple Sequence Alignment Problem In Biology", <i>SIAM J. Appl. Math.</i> , <u>48</u> (5):1073-1082, (1988)
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IW	Coghlan <i>et al.</i> , "Association of Protein Kinase A and Protein Phosphatase 2B with a Common Anchoring Protein", <i>Science</i> , <u>267</u> :108-111, (1995)
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IY	Colledge, M. and Scott, J.D., "AKAPs: from structure to function", <i>Trends in Cell Biology</i> , <u>9</u> :216-221, (1999)
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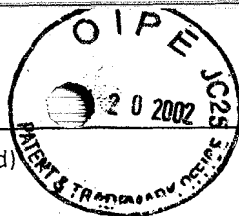
JB	Costantini, F. and Lacy, E., "Introduction of a rabbit β -globin gene into the mouse germ line", <i>Nature</i> , <u>294</u> :92-94, (1981)
JC	Cotton, R.G.H., "Current methods of mutation detection", <i>Mutation Res.</i> , <u>285</u> :125-144, (1993)
JD	Cotton <i>et al.</i> , "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :4397-4401, (1988)
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JF	<u>Culture of Animal Cells</u> , A Manual of Basic Technique, Book: 2nd Edition, Freshney, R.I., Alan R. Liss, Inc., New York
JG	<u>Current Communications in Molecular Biology</u> , Book: "Gene Transfer Vectors for Mammalian Cells, Cold Spring Harbor Laboratory, New York, 1987
JH	<u>Current Protocols In Immunology</u> , Book: Volume 4, Coligan, J.E. et al. (Eds.), John Wiley & Sons, Inc. New York, 1994
JI	Database WPI, Derwent publication # 011635345 citing International Patent Application WO 9747974 of the parent French Patent Application FR 2,749,662.
JJ	Devereux, <i>et al.</i> , "A comprehensive set of sequence analysis programs for the VAX", <i>Nucl. Acids Res.</i> , <u>12</u> (1):387-395, (1984)
JK	<u>DNA cloning</u> , a practical approach, Book: Vol. II, Glover, D.M. (Ed.), IRL Press, Oxford, Washington DC (1985)
JL	Eftedal <i>et al.</i> , "Consensus sequences for good and poor removal of uracil from double stranded DNA by uracil-DNA glycosylase", <i>Nucl. Acids Res.</i> , <u>21</u> (9):2095-2101, (1993)
JM	Englisch, U. and Gauss, D.H., "Angewandte Chemie", <i>Angew. Chem.</i> , <u>30</u> (6):613-722, (1991)
JN	Faux, M.C. and Scott, J.D., "More on target with protein phosphorylation: conferring specificity by location", <i>Trends Biochem.</i> , <u>21</u> :312-315, (1996)
JO	Felgner <i>et al.</i> , "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", <i>Proc. Natl. Acad. Sci. USA</i> , <u>84</u> :7413-7417, (1987)

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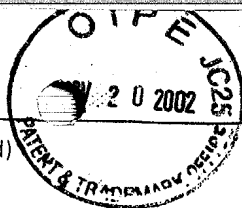
JP	Fu <i>et al.</i> , "A DNA sequencing strategy that requires only five bases of known terminal sequence for priming", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> :10162-10166, (1995)
JQ	Fu <i>et al.</i> , "Efficient preparation of short DNA sequence ladders potentially suitable for MALDI-TOF DNA sequencing", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>12</u> :137-142, (1996)
JR	Fu <i>et al.</i> , "Sequencing double-stranded DNA by strand displacement", <i>Nucl. Acids Res.</i> , <u>25</u> (3):677-679, (1997)
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JV	Gibbs <i>et al.</i> , "Detection of single DNA base differences by competitive oligonucleotide priming", <i>Nucl. Acids Res.</i> , <u>17</u> :2437-2448, (1989)
JW	Gillman, A.G., "A Protein Binding Assay for Adenosine 3':5'-cyclic Monophosphate", <i>Biochem.</i> , <u>67</u> (1):305-312, (1970)
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KC	Griffin <i>et al.</i> , "Genetic analysis by peptide nucleic acid affinity MALDI-TOF mass spectrometry," <i>Nature Biotechnology</i> , <u>15</u> :1368-1372, (1997)

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KE	Guerrier-Takada <i>et al.</i> , "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme", <i>Cell</i> , 35 :849-857, (1983)
KF	<u>Guide To Human Genome Computing</u> , Book: Bishop, M.J. (Ed.), Academic Press, San Diego, California (1994)
KG	Hampel <i>et al.</i> , "'Hairpin' catalytic RNA model: evidence for helices and sequence requirement for substrate RNA", <i>Nucl. Acids Res.</i> , 18 (2):299-304, (1990)
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KJ	Hasan <i>et al.</i> , "Base-boronated dinucleotides: synthesis and effect of N7-cyanoborane substitution on the base protons", <i>Nucl. Acids Res.</i> , 24 (11):2150-2157 (1996)
KK	Hausken <i>et al.</i> , "Mutational Analysis of the A-Kinase Anchoring Protein (AKAP)-binding Site on RII", <i>J. Biol. Chem.</i> , 271 (46):29016-29022, (1996)
KL	Hayashi, K., "PCR-SSCP: A Method for Detection of Mutations", <i>Genet. Anal. Tech. Appl. (GATA)</i> , 9 (3):73-79, (1992)
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KO	Higgins <i>et al.</i> , "Competitive Oligonucleotide Single-Base Extension Combined with Mass Spectrometric Detection for Mutation Screening", <i>BioTechniques</i> , 23 (4):710-714, (1997)
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KQ	Higley, M. and Lloyd, R.S., "Processivity of uracil DNA glycosylase", <i>Mutation Research, DNA Repair</i> , 294 :109-116, (1993)

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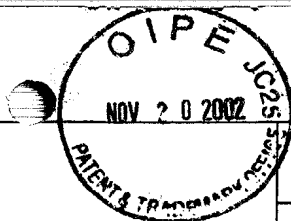
KR	Hinton, Jr. <i>et al.</i> , "The application of robotics to fluorometric and isotopic analyses of uranium", <i>Lab. Inf. Manage.</i> , <u>21</u> :223-227, (1993)
KS	Hu, K. and Siddiqui, A., "Regulation of the Hepatitis B Virus Gene Expression by the Enhancer Element I", <i>Virology</i> , <u>181</u> :721-726, (1991)
KT	Huang <i>et al.</i> , "D-AKAP2, a novel protein kinase A anchoring protein with a putative RGS domain", <i>Proc. Natl. Acad. Sci. USA</i> , <u>94</u> :11184-11189, (1997)
KU	Huang <i>et al.</i> , "Identification of a Novel Protein Kinase A Anchoring Protein That Binds Both Type I and Type II Regulatory Subunits", <i>J. Biol. Chem.</i> , <u>272</u> (12):8057-8064, (1997)
KV	Hubbard, M.J. and Cohen, P., "On target with a new mechanism for the regulation of protein phosphorylation", <i>Trends Biochem. Sci.</i> , <u>18</u> :172-177, (1993)
KW	<u>Immobilised cells and enzymes</u> , a practical approach, Woodward, J. (Ed.), IRL Press Limited, Oxford, Washington, DC, 1985
KX	Instrumentation; "Nano-Plotter" from GeSiM, Germany, located at http://www.gesim.de/np-intro.htm
KY	Instrumentation; "Model CRS A 255" robot "Digital Servo Gripper" "Plate Cube" system. "lid parking station" "shaker" Robocon Labor-und Industrieroboter Ges.m.b.H of Austria ("Robocon")
KZ	Instrumentation; "MJ Microseal" plate sealer; Thermal Cycler Accessories: Sealing Options, Sealing Products, MJ Research, located at http://www.mjresearch.com/html/consumables/ealing/sealing_products.html
LA	Instrumentation; "Genesis 200/8" (200 cm with including an 8-tip arm) liquid handling systems; Tecan AG of Switzerland ("Tecan"), TECAN Products for Diagnostics and Life Science, located at http://www.tecan.ch/index.htm
LB	Instrumentation; Bar code systems, including one and two dimensional bar codes, readable and readable/writable codes and systems; Datalogic S.p.A. of Italy ("Datalogic") located at http://www.datalogic.com

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LC	Instrumentation; DYNABEADS, streptavidin-coated magnetic beads; from Dynal, Inc. Great Neck, NY and Oslo Norway
LD	Instrumentation; "Multimek 96" automated pipettor; Beckman Coulter, Inc. located at http://www.coulter.com , 09/08/99
LE	International Search Report for International Application No. PCT/US00/08111, Date of Mailing November 13, 2000.
LF	IUPAC-IUB Commission on Biochemical Nomenclature A One-Letter Notation for Amino Acid Sequences ¹⁻³ Tentative Rules, <i>J. Biol. Chem.</i> , <u>243</u> (13):3557-3559, (1968)
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LH	Janin, J., "Surface and inside volumes in globular proteins", <i>Nature</i> , <u>277</u> :491-492, (1979)
LI	Jiang-Baucom <i>et al.</i> , "DNA Typing of Human Leukocyte Antigen Sequence Polymorphisms Nucleic Acid Probes and MALDI-TOF Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :4894-4898, (1997)
LJ	Jurinke <i>et al.</i> , "Analysis of Ligase Chain Reaction products via Matrix-Assisted Laser Desorption/Ionization Time-of-Flight-Mass Spectrometry", <i>Anal. Biochem.</i> , <u>237</u> :174-181, (1996)
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LM	Jurinke <i>et al.</i> , "Detection of RET proto-oncogene codon 634 mutations using mass spectrometry", <i>J. Mol. Med.</i> , <u>75</u> :745-750, (1997)
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LO	Kario <i>et al.</i> , "Genetic Determinants of Plasma Factor VII Activity in the Japanese", <i>Thromb. Haemost.</i> , <u>73</u> :617-622, (1995)

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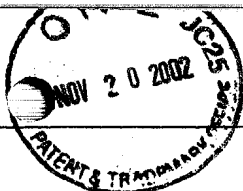
LP	Keen <i>et al.</i> , "Rapid detection of single base mismatches as heteroduplexes on Hydrolink gels", <i>Trends Genet.</i> , <u>7</u> :5, (1991)
LQ	Keown, <i>et al.</i> , "Methods for Introducing DNA into Mammalian Cells", <i>Methods in Enzymol.</i> , <u>185</u> :527-537, (1990)
LR	Klauck <i>et al.</i> , "Coordination of Three Signaling Enzymes by AKAP79, a Mammalian Scaffold Protein", <i>Science</i> , <u>271</u> :1589-1592, (1996)
LS	Kornher, J.S. and Livak, K.J., "Mutation detection using nucleotide analogs that alter electrophoretic mobility", <i>Nucl. Acids Res.</i> , <u>17</u> :7779-7784, (1989)
LT	Köster <i>et al.</i> , "Oligonucleotide synthesis and multiples DNA sequencing using chemiluminescent detection", <i>Nucl. Acids Res.</i> , Symposium Series No. 24, pages 318-321, (1991)
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LW	Kuppuswamy <i>et al.</i> , "Single nucleotide primer extension to detect genetic diseases: Experimental application to hemophilia B (factor IX) and cystic fibrosis genes", <i>Proc. Natl. Acad. Sci. USA</i> , <u>88</u> :1143-1147, (1991)
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MA	Laken <i>et al.</i> , "Familial colorectal cancer in Ashkenazim due to a hypermutable tract in APC", <i>Nature Genetics</i> , <u>17</u> :79-83, (1995)
MB	Lam <i>et al.</i> , "Genetic influence of the R/Q353 genotype on factor VII activity is overwhelmed by environmental factors in Chinese patients with Type II (non-insulin-dependent) diabetes mellitus", <i>Diabetologia</i> , <u>41</u> :760-766, (1998)

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MC	Landegren <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique", <i>Science</i> , <u>241</u> :1077-1080, (1988)
MD	Lasko <i>et al.</i> , "Eukaryotic DNA Ligases", <i>Mutation Research</i> , <u>236</u> :277-287, (1990)
ME	Lee <i>et al.</i> , "Isolation of a cDNA clone for the type I regulatory subunit of bovine cAMP-dependent protein kinase", <i>Proc. Natl. Acad. Sci. USA</i> , <u>80</u> :3608-3612, (1983)
MF	Lehman, I.R., "DNA Ligase: Structure, Mechanism, and Function", <i>Science</i> , <u>186</u> :790-797, (1974)
MG	Li <i>et al.</i> , "Boron-containing oligodeoxyribonucleotide 14mer duplexes: enzymatic synthesis and melting studies", <i>Nucl. Acids Res.</i> , <u>23</u> (21):4495-4501, (1995)
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MI	Li <i>et al.</i> , "High-Resolution MALDI Fourier Transform Mass Spectrometry of Oligonucleotides", <i>Anal. Chem.</i> , <u>68</u> (13):2090-2096, (1996)
MJ	Lindahl, T. and Barnes, D.E., "Mammalian DNA Ligases", <i>Annu. Rev. Biochem.</i> , <u>61</u> :251-281, (1992)
MK	Little <i>et al.</i> , "Detection of RET proto-oncogene codon 634 mutations using mass spectrometry," <i>J. Mol. Med.</i> , <u>75</u> :745-750, (1997)
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MP	Lizardi <i>et al.</i> , "Exponential Amplification of Recombinant-RNA Hybridization Probes", <i>Bio/Technology</i> , <u>6</u> :1197-1202, (1988)

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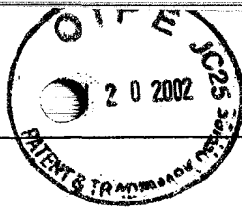
MQ	<u>Manipulating the Mouse Embryo</u> , Book: A Laboratory Manual, Hogan et al., Cold Spring Harbor Laboratory (1986)
MR	Maxam, A.M. and Gilbert, W., "A new method for sequencing DNA", <i>Proc. Natl. Acad. Sci. USA</i> , 74(2):560-564, (1977)
MS	McKnight <i>et al.</i> , "Expression of the Chicken Transferrin Gene in Transgenic Mice", <i>Cell</i> , 34:335-341, (1983)
MT	<u>Methods in Enzymology</u> , "Guide to Protein Purification", Book: Vol. 182, Deutscher, M.P. (Ed.), Academic Press, Inc., New York (1990)
MU	<u>Methods in Enzymology</u> , "Recombinant DNA", Book: Vol. 154, Part E, Wu, R. and Grossman, L. (Eds.), Academic Press, Inc., New York (1987)
MV	<u>Methods in Enzymology</u> , "Recombinant DNA", Book: Vol. 155, Part F, Wu, R. (Ed.), Academic Press, Inc., New York (1987)
MW	<u>Methods in Molecular Biology</u> , 24, "Computer Analysis of Sequence Data", Book: Part I, Griffin, A.M. and Griffin, H.G. (Eds.), Humana Press, Totowa, New Jersey (1994)
MX	Miki, K. and Eddy, E.M., "Identification of Tethering Domains for Protein Kinase A Type I α Regulatory Subunits on Sperm Fibrous Sheath Protein FSC1", <i>J. Biol. Chem.</i> , 273(51): 34384-34390, (1996)
MY	Miki, K. and Eddy, E.M., "Single Amino Acids Determine Specificity of Binding Protein Kinase A Regulatory Subunits by Protein Kinase A Anchoring Proteins", <i>J. Biol. Chem.</i> , 274(41):29057-29062, (1999)
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NA	<u>Molecular Biology Of The Gene</u> , Book: "General Principles", Vol. 1, Fourth Edition, Watson <i>et al.</i> , The Benjamin/Cummings Publishing Company, Inc., 1987
NB	<u>Molecular Cloning</u> , a Laboratory Manual, Book: Second Edition, Sambrook, J. and Russell, D.W., Cold Spring Harbor Laboratory Press (1989)
NC	Monforte <i>et al.</i> , "High-throughput DNA analysis by time-of-flight mass spectrometry," <i>Nature Medicine</i> , 3(3):36-42, (1997)
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NF	Myers <i>et al.</i> , "Detection of single base substitutions in total genomic DNA", <i>Nature</i> , <u>313</u> :495-498, (1985)
NG	Nakamaye <i>et al.</i> , "Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside α -thiotriphosphates", <i>Nucl. Acids Res.</i> , <u>16</u> :9947-9959, (1988)
NH	Naeve <i>et al.</i> , "Accuracy of Automated DNA Sequencing: A Multi-Laboratory Comparison of Sequencing Results", <i>Biotechniques</i> , <u>19</u> (3):448-453, (1995)
NI	Newton <i>et al.</i> , "Analysis of any point mutation in DNA. The amplification refractory mutation system (ARMS)", <i>Nucl. Acids Res.</i> , <u>17</u> :2503-2516, (1989)
NJ	Ngai <i>et al.</i> , "Protein A antibody-capture ELISA (PACE): an ELISA format to avoid denaturation of surface-adsorbed antigens", <i>J. Immunol. Meth.</i> , <u>158</u> :267-276, (1993)
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NL	Nilges <i>et al.</i> , "Automated NOESY interpretation with ambiguous distance restraints: the refined NMR solution structure of the pleckstrin homology domain from β -spectrin", <i>J. Mol. Biol.</i> , <u>269</u> :408-422, (1997)
NM	Nordhoff <i>et al.</i> , "Matrix-assisted Laser Desorption/Ionization Mass Spectrometry of Nucleic Acids with Wavelengths in the Ultraviolet and Infrared", <i>Rapid Comm. Mass Spectrom.</i> , <u>6</u> :771-776, (1992)
NN	<u>Nucleases</u> , Book: 2nd Edition, Linn, S.M. et al. (Eds.), Cold Spring Harbor Laboratory Press (1993)
NO	<u>Nucleic acid hybridisation</u> , a practical approach, Book: Hames, B.D. and Higgins, S.J. (Eds.), IRL Press, Oxford, Washington DC (1985)
NP	Nyrén <i>et al.</i> , "Solid phase DNA minisequencing by an enzymatic luminometric inorganic pyrophosphate detection assay", <i>Anal. Biochem.</i> , <u>208</u> :171-175, (1993)
NQ	<u>Oligonucleotides and Analogues</u> , a practical approach, Book: Protocol 8. "Synthesis of 3'5'-O-(tetraisopropylidisiloxane-1,3-diyl)-N ⁴ -isobutyryl-2'-O-methylcytidine (compound 8); mol. wt 569.85", Eckstein, F. (Ed.), Oxford University Press, New York, pages 56-57; Chapter 6, "Synthesis of oligo-2'-deoxyribonucleoside methylphosphonates", pages 137-139; and pages 256-259, (1991)

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NS	Orita <i>et al.</i> , "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :2766-2770, (1989)
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NV	Palmiter <i>et al.</i> , "Metallothionein-human GH fusion genes stimulate growth of mice", <i>Science</i> , <u>222</u> :809-814, (1983)
NW	Pearson, W.R. and Lipman, D.J., "Improved tools for biological sequence comparison", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :2444-2448, (1988)
NX	Pearson, R.B. and Kemp, B.E., "Protein Kinase Phosphorylation Site Sequences and Consensus Specificity Motifs: Tabulations", <i>Meth. Enzymol.</i> , <u>200</u> :62-81, (1991)
NY	Perrotta, A.T. and Been, M.D., "Cleavage of Oligoribonucleotides by a Ribozyme Derived from the Hepatitis δ Virus RNA Sequence", <i>Biochem.</i> , <u>31</u> :16-21, (1992)
NZ	Podhajski, A.J. and Szybalski, W., "Conversion of the <i>FokI</i> endonuclease to a universal restriction enzyme: cleavage of phage M13mp7 DNA at predetermined sites", <i>Gene</i> , <u>40</u> :175-182, (1985)
OA	Porter <i>et al.</i> , "N ¹ -Cyanoborane-2'-Triphosphate Is a Good Substrate for DNA Polymerase", <i>Biochem.</i> , <u>34</u> :11963-11969, (1995)
OB	Prezant, T.R. and Fischel-Ghodsian, N., "Trapped-Oligonucleotide Nucleotide Incorporation (TONI) Assay, a Simple Method for Screening Point Mutations", <i>Human Mutation</i> , <u>1</u> :159-164, (1992)
OC	Prosser, J., "Detecting single-base mutations", <i>TIBTECH</i> , <u>11</u> :238-246, (1993)
OD	Pruslin <i>et al.</i> , "Caveats and suggestions for the ELISA", <i>J. Immunol. Meth.</i> , <u>137</u> :27-35, (1991)
OE	Reymer <i>et al.</i> , "A lipoprotein lipase mutation (Asn291Ser) is associated with reduced HDL cholesterol levels in premature atherosclerosis", <i>Nature Genetics</i> , <u>10</u> :28-34, (1995)

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OF	Rose <i>et al.</i> , "Hydrophobicity of Amino Acid Residues in Globular Proteins", <i>Science</i> , <u>229</u> :834-838, (1985)
OG	Rosenbaum, V. and Riesner, D., "Temperature-gradient gel electrophoresis. Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts", <i>Biophys. Chem.</i> , <u>26</u> :235-246, (1987)
OH	Ross <i>et al.</i> , "Analysis of Short Tandem Repeat Polymorphisms in Human DNA by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :3966-3972, (1997)
OI	Ross <i>et al.</i> , "Discrimination of Single-Nucleotide Polymorphisms in Human DNA Using Peptide Nucleic Acid Probes Detected by MALDI-TOF Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :4197-4202, (1997)
OJ	Rossi <i>et al.</i> , "Ribozymes as Anti-HIV-1 Therapeutic Agents: Principles, Applications, and Problems", <i>Aids Res. and Human Retroviruses</i> , <u>8</u> (2):183-189, (1992)
OK	Ruppert <i>et al.</i> , "A Filtration Method for Plasmid Isolation Using Microtiter Filter Plates", <i>Anal. Biochem.</i> , <u>230</u> :130-134, (1995)
OL	Saiki <i>et al.</i> , "Analysis of enzymatically amplified β -globin and HLA-DQ α DNA with allele-specific oligonucleotide probes", <i>Nature</i> , <u>324</u> :163-166, (1986)
OM	Saiki <i>et al.</i> , "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :6230-6234, (1989)
ON	Saleeba, J.A. and Cotton, R.G.H., "Chemical Cleavage of Mismatch to Detect Mutations", <i>Meth. Enzymol.</i> , <u>217</u> :286-295, (1993)
OO	Samson <i>et al.</i> , "Resistance to HIV-1 infection in caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene", <i>Nature</i> , <u>382</u> :722-725, (1996)
OP	Sanger <i>et al.</i> , "DNA sequencing with chain-terminating inhibitors", <i>Proc. Natl. Acad. Sci. USA</i> , <u>74</u> (12):5463-5467, (1977)
OQ	Sanghvi, Y.S., Book: <u>Antisense Research and Applications</u> , Chapter 15, "Heterocyclic Base Modifications In Nucleic Acids and Their Applications In Antisense Oligonucleotides", S.T. Crooke et al. (Eds.), CRC Press, Inc., Florida, 1993
OR	Saparbaev <i>et al.</i> , " <i>Escherichia coli</i> , <i>Saccharomyces cerevisiae</i> , rat and human 3-methyladenine DNA glycosylases repair 1, N ⁶ -ethenoadenine when present in DNA", <i>Nucl. Acids Res.</i> , <u>23</u> (18):3750-3755, (1995)

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OS	Sarin <i>et al.</i> , "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxy-nucleoside methylphosphonates", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :7448-7451, (1988)
OT	Schächter <i>et al.</i> , "Genetic associations with human longevity at the APOE and ACE loci", <i>Nature Genetics</i> , <u>6</u> :29-32, (1994)
OU	Schwartz, R.M. and Dayhoff, M.O., "Matrices for Detecting Distant Relationships", <i>Atlas of Protein Sequence and Structure</i> , pages 353-358, (1978)
OV	Scopes, R.K., Book: <u>Protein Purification. Principles and Practice</u> , Springer-Verlag, New York, (1982)
OW	Scott, J., "Cyclic Nucleotide-Dependent Protein Kinases", <i>Pharmac. Ther.</i> , <u>50</u> :123-145, (1991)
OX	Scott <i>et al.</i> , "Type II Regulatory Subunit Dimerization Determines the Subcellular Localization of the cAMP-dependent Protein Kinase", <i>J. Biol. Chem.</i> , <u>265</u> (35):21561-21566, (1990)
OY	Senko <i>et al.</i> , "Automated Assignment of Charge States from Resolved Isotopic Peaks for Multiply Charged Ions", <i>J. Am. Soc. Mass Spectrom.</i> , <u>6</u> :52-56, (1995)
OZ	Senter <i>et al.</i> , "Novel photocleavable protein crosslinking reagents and their use in the preparation of antibody-toxin conjugates", <i>Photochem. Photobiol.</i> , <u>42</u> :231-237, (1985)
PA	<u>Sequence Analysis in Molecular Biology</u> , Book: Treasure Trove or Trivial Pursuit, von Heijne, G., Academic Press, Inc., New York, 1987
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PC	Sequenom Advances the Industrial Genomics Revolution with the Launch of Its DNA MassArray™ Automated Process Line, Press Release: Sept. 28, 1998, http://www.sequenom.com/pressrelease.htm .
PD	Sequenom Completes Design of More Than 400,000 SNP Assays; Mass EXTEND™ Assay Portfolio Covers Majority of SNPs in the Public Domain, Press Release; Oct. 10, 2000, http://www.sequenom.com/ir/ir_prs.asp
PE	Sequenom and Gemini Identify Genes Linked to Cardiovascular Disease, Press Release: Nov. 28, 2000, http://www.sequenom.com/ir/ir_prs.asp

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PF	Sequenom Announces Publication of Results From Large-Scale SNP Study With the National Cancer Institute, Press Release: Jan. 16, 2001, http://www.sequenom.com/ir/ir_prs.asp
PG	Sequenom: Technologies and Tools, located at http://www.sequenom-san.com/tech/tools.html , dated 08/29/99
PH	Siebert <i>et al.</i> , "Matrix-Assisted Laser desorption/Ionization Time-of-Flight Mass Spectrometry for the detection of Polymerase Chain Reaction Containing 7-Deazapurine Moieties", <i>Anal. Biochem.</i> , <u>243</u> :55-65, (1996)
PI	Smith, D.B. and Johnson, K.S., "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase", <i>Gene</i> , <u>67</u> :31-40, (1988)
PJ	Smith, T.F. and Waterman, M.S., "Comparison of Biosequences", <i>Advances in Applied Mathematics</i> , <u>2</u> :482-489, (1981)
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PL	Sokolov, B.P., "Primer extension technique for the detection of single nucleotide in genomic DNA", <i>Nucl. Acids Res.</i> , <u>18</u> (12):3671, (1989)
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PN	Stein <i>et al.</i> , "Physicochemical properties of phosphorothioate oligodeoxynucleotides", <i>Nucl. Acids Res.</i> , <u>16</u> :3209-3221, (1988)
PO	Steward <i>et al.</i> , "Human β -Globin Gene Sequence Injected into Mouse Eggs, Retained in Adults, and Transmitted to Progeny", <i>Science</i> , <u>217</u> :1046-1048, (1982)
PP	Stillman, B.W. and Gluzman, Y., "Replication and Supercoiling of Simian Virus 40 DNA in Cell Extracts from Human Cells", <i>Mol. Cell. Biol.</i> , <u>5</u> (8):2051-2060, (1985)
PQ	Sugisaki, H. and Kanazawa, S., "New restriction endonucleases from <i>Flavobacterium okeanokoites</i> (FokI) and <i>Micrococcus luteus</i> (MluI)", <i>Gene</i> , <u>16</u> :73-78, (1981)
PR	Syvänen <i>et al.</i> , "A Primer-Guided Nucleotide Incorporation Assay in the Genotyping of Apolipoprotein E", <i>Genomics</i> , <u>8</u> :684-692, (1990)
PS	Syvänen <i>et al.</i> , "Identification of Individuals by analysis of Biallelic DNA markers, using PCR and Solid-Phase Minisequencing", <i>Am. J. Hum. Genet.</i> , <u>52</u> :46-59, (1993)

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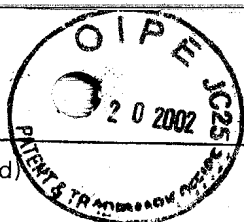
PT	Szybalski <i>et al.</i> , "Class-IIS restriction enzymes - a review", <i>Gene</i> , <u>100</u> :13-26, (1991)
PU	Takio <i>et al.</i> , "Primary structure of the regulatory subunit if type II cAMP dependent protein kinase from bovine cardiac muscle", <i>Proc. Natl. Acad. Sci. USA</i> , <u>79</u> :2544-2548, (1982)
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PW	Tang <i>et al.</i> , "Chip-based genotyping by mass spectrometry", <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :10016-10020, (1999)
PX	Tang <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of immobilized duplex DNA probes", <i>Nucl. Acids Res.</i> , <u>23</u> (16):3126-3131, (1995)
PY	Taranenko <i>et al.</i> , "Laser desorption mass spectrometry for point mutation detection," <i>Genetic Analysis: Biomolecular Engineering</i> , <u>13</u> :87-94, (1996)
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QB	<u>Transsscription and translation</u> , a practical approach, Book: Hames, B.D. and Higgins, S.J. (Eds.), IRL Press Limited, Oxford, England (1984)
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QF	Uracil-DNA Glycosylase, product description. Roche Molecular Biochemicals Catalog Version 3, Nov. 1999 http://biochem.roche.com/pack-insert/1269062a.pdf , (12/21/00)
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

QH	Urlaub, G. and Chasin, L.A., "Isolation of Chinese hamster cell mutants deficient in dihydrofolate reductase activity", <i>Proc. Natl. Acad. Sci. USA</i> , <u>77</u> (7):4216-4220, (1980)
QI	van den Boom <i>et al.</i> , "Forward and Reverse DNA Sequencing in a Single Reaction", <i>Anal. Biochem.</i> , <u>256</u> :127-129, (1998)
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QL	Wada <i>et al.</i> , "Detection of Single-nucleotide Mutations Including Substitutions and Deletions by Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry," <i>Rapid Communications in Mass Spectrometry</i> , <u>11</u> :1657-1660, (1997)
QM	Waga <i>et al.</i> , "Reconstitution of Complete SV40 DNA Replication with Purified Replication Factors", <i>J. Biol. Chem.</i> , <u>269</u> (14):10923-10934, (1994)
QN	Wagner <i>et al.</i> , "The human β -globin gene and a functional viral thymidine kinase gene in developing mice", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> :5016-5020, (1981)
QO	Wallace <i>et al.</i> , "Hybridization of synthetic oligodeoxyribonucleotides to phi chi 174 DNA: the effect of single base pair mismatch", <i>Nucl. Acids Res.</i> , <u>6</u> :3543-3557, (1979)
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QQ	Weiler <i>et al.</i> , "Hybridisation based DNA screening on peptide nucleic acid (PNA) oligomer arrays", <i>Nucl. Acids Res.</i> , <u>25</u> :2792-2799, (1997)
QR	Wigler <i>et al.</i> , "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>76</u> (3):1373-1376, (1979)
QS	Wilson, G.G. and Murray, N.E., "Restriction and Modification Systems", <i>Annu. Rev. Genet.</i> , <u>25</u> :585-627, (1991)
QT	Wolfenden <i>et al.</i> , "Affinities of Amino Acid Side Chains for Solvent Water", <i>Biochem.</i> , <u>20</u> :849-855, (1981)
QU	Yen <i>et al.</i> , Optically controlled ligand delivery , 1, "Synthesis of water-soluble copolymers containing photocleavable bonds", <i>Makromol. Chem.</i> , <u>190</u> :69-82, (1989)

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